

REMARKS

Claims 1-16, 24-29, and 34 are pending. Claims 1-11, 13-16, 24-26, 28, and 29 were rejected as anticipated by Landhammer (US Patent 6,538,470). Claims 12 and 27 have allowable subject matter. Claim 27 has been cancelled. Claim 34 was not addressed by the Examiner. Applicants traverse the rejections.

Landhammer describes in Fig. 9 a digital signal processing block 110 which may include input register circuits 134, multiplier circuits 136, pipeline register circuits 138, add-subtract-accumulate circuits 144, add-subtract circuit 140, and output select/register circuits 146. Digital signal processing block 110 may span across approximately eight rows of logic array blocks 108 and may have a width that is approximately equal to two columns of logic array blocks 108. Other dimensions may also be used if desired. FIG. 9 illustrates one exemplary embodiment of digital signal processing block 110 [col 18, lines 2-12]. Thus while FIG. 9 may have other dimensions for the digital signal processing block 110, Landhammer neither discloses nor suggests that FIG. 9 should take up the whole integrated circuit (IC). To the contrary, as FIGs. 1 and 5 of Landhammer show the digital signal processing block 110 is only a portion of the IC. Also the I/O interface circuits 128 in FIG. 9 are interface circuits to provide input and output to the digital processing block 110 [col. 15, lines 45-62] and are not the same as input/output interfaces 120 in FIG. 5 which send or receive data out of or into the IC [col. 14, lines 26-38].

Claim 1 has been amended to include, among other features, a column of the plurality of columns comprising a plurality of circuit elements of a circuit type substantially occupying the column and a configuration column comprising configuration logic for configuring the column of the plurality of columns. Thus there is a configuration column which configures another column of the IC. Since Landhammer neither discloses nor suggests this feature, claim 1 should be allowable.

Claims 2-9 being dependent upon claim 1 should be allowable for at least the same reason claim 1 is allowable.

Claim 10 has been amended to include, among other features a heterogeneous column having configuration logic and a clock management circuit element. Since Landhammer neither discloses nor suggests this feature claim 10 should be allowable.

Claims 11-16 being dependent upon claim 1 should be allowable for at least the same reason claim 1 is allowable.

Claim 24 has been amended to include the allowable subject matter in claim 27 and should now be allowable.

Claims 25-26 and 28-29 being dependent upon claim 24 should be allowable for at least the same reason claim 24 is allowable.

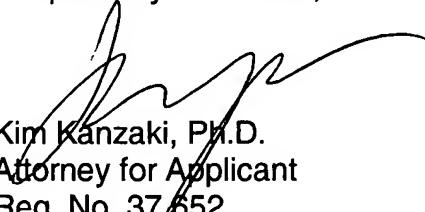
As the Examiner did not address claim 34, it is assumed that it is allowable.

### CONCLUSION

All claims should be now be in condition for allowance and a Notice of Allowance is respectfully requested.

If there are any questions, the applicants' attorney can be reached at Tel: 408-879-6149 (Pacific Standard Time).

Respectfully submitted,

  
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*I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on December 19, 2005.*

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